

Acronyms

ABC	activity-based costing
ADD	average daily dose
ADI	acceptable daily intake
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
ALM	Adult Lead Methodology)
ANOVA	an analysis of variance
ASF	alternative surface finishing
AT	averaging time
ATSDR	Agency for Toxic Substances and Disease Registry
BAT	best available control technology economically achievable
BCP	best conventional pollution control technology
BGA	ball grid array
BKSF	biokinetic slope factor
BOA	bill of activities
BOD	biological oxygen demand
BPT	best practicable control technology currently available
Btu	British Thermal Units
BW	body weight
CAA	Clean Air Act
CC	concern concentration
CCAMTF	Circuit Card Assembly and Materials Task Force
CDC	Centers for Disease Control and Prevention
CEB	Chemical Engineering Branch
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CO ₂	carbon dioxide
COB	chip on board
CSL	Contamination Studies Laboratories, Inc.
CTSA	Cleaner Technologies Substitutes Assessment
CuSO ₄	copper sulfate
CWA	Clean Water Act
DCT	dimethyl-dithiocarbamate
DfE	Design for the Environment
ED	exposure duration
EDTA	ethylenediaminetetraacetic acid
EF	exposure frequency
EMS	Environmental Management System
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
HCLV	high current low voltage
HVLC	high voltage low current
HSD	high speed digital

HF LPF	high frequency low pass filter
HF TLC	high frequency transmission line coupler
g	gram
gal	gallon
GI	gastrointestinal
GLM	general linear models
gpm	gallons per minute
GRAS	generally recognized as safe
GSD	geometric standard deviation
gpm	gallons per minute
H ₂ SO ₄	sulfuric acid
HASL	hot air solder leveling
H _c	Henry's Law Constant
HCLV	high current low voltage
HEAST	Health Effects Assessment Summary Tables
HF	high frequency
HQ	hazard quotient
HSD	high speed digital
HSDB	Hazardous Substances Data Bank
HVLC	high voltage low current
IARC	International Agency for Research on Cancer
IEUBK	integrated exposure uptake biokinetic model for lead in Children
IPC	Institute for Interconnecting and Packaging Electronics Circuits
IQR	interquartile range
IR	intake rate
IRIS	Integrated Risk Information System
ISO	International Standards Organization
KUB	Knoxville Utilities Board
kW	kilowatt
LADD	lifetime average daily dose
LOAEL	lowest-observed-adverse-effect level
LR	low residue
LRSTF	Low-Residue Soldering Task Force
LSD	least significant difference
LT	lab technical
MACT	Maximum Achievable Control Technology
MHC	making holes conductive
MnO ₂	manganese dioxide
MOE	margin of exposure
MRL	minimum risk level
MSDS	material safety data sheet
MTL	Master Testing List
N _a OH	caustic soda
NCP	National Contingency Plan
NIOSH	National Institute for Occupational Safety and Health
NOAEL	no-observed-adverse-effect level

NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPDWR	National Primary Drinking Water Regulations
NSDWR	National Secondary Drinking Water Regulations
NSPS	New Source Performance Standards
NTP	National Toxicology Program
ON	other networks
OSP	organic solderability preservative
OSHA	Occupational Safety and Health Administration
PEL	permissible exposure limit
PDR	potential dose rate
POTW	publicly owned treatment work
PPE	personal protective equipment
PSES	pretreatment standards for existing sources
PSNS	pretreatment standards for new sources
psi	per square inch
PTH	plated-through holes
PWAs	printed wiring assemblies
PWB	printed wiring board
RCRA	Resource Conservation and Recovery Act
REL	recommended exposure level
RfC	reference concentration
RfD	reference dose
RO	reverse osmosis
RTECS	Registry of Toxic Effects of Chemical Substances
RQ	reportable quantity
SAR	structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SAT	Structure-Activity Team
SDWA	Safe Drinking Water Act
SERC	State Emergency Response Commission
SF	slope factor
SIC	standard industrial code
SMT	surface mount technology
SO _x	sulfur oxides
SPC	statistical process control
ssf	surface square feet
STEL	short-term exposure limit
SW	stranded wire
TMT 15	tri-mercaptopurine
TLC	transmission line coupler
TLV	threshold limit value
TPY	tons per year
TRI	Toxic Release Inventory
TS	thermal shock
TSCA	Toxic Substances Control Act

TSDS	treatment, storage, or disposal facility
TWA	time-weighted average
UC	unit cost
UF	uncertainty factor
UT	University of Tennessee
UR	utilization ratio
VOC	volatile organic compounds
WHO	World Health Organization
WOA	weak organic acid
WOE	weight-of-evidence
WS	water soluble